

## VIRTUAL ENVIRONMENT ON THE WEB

U.S. Patent Application of:  
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For:

**VIRTUAL ENVIRONMENT ON THE WEB**

**CROSS-REFERENCE TO RELATED APPLICATIONS**

Not applicable.

**BACKGROUND-FIELD OF THE INVENTION**

This invention relates generally to web programming and virtual reality, and more particularly to the deployment of a virtual environment on the web.

**BACKGROUND-DESCRIPTION OF PRIOR ART**

Surfing on the web is generally accomplished using a browser to view web pages that uses conventional user interfaces. The controls are usually limited to standard user interfaces comprising buttons, checkboxes, combo boxes, and other conventional user interface elements.

Commercial e-commerce sites use said common interfaces to interact with users. Said users use interfaces to purchase goods and services.

## **SUMMARY OF THE INVENTION**

The primary object of the invention is to provide a system that allows people to surf the net using a virtual reality user interface without having to download proprietary software or plug-ins.

Another object of the invention is to create an e-commerce website that uses virtual reality user interface.

Another object of the invention is to create virtual environments on the Internet.

In accordance with the present invention a system comprises computer programs residing on a computer-readable medium includes instruction for causing the system to:

- (a) display virtual reality interface.
- (b) react to user's command.
- (c) open other web pages.
- (d) invoke other functions, applications or web services.

## **Objects and Advantages**

This invention has some advantages over traditional web surfing techniques: more fun to use and easier to visualize.

## **BRIEF DESCRIPTION OF THE DRAWINGS**

The foregoing features and other aspects of this invention will now be described in accordance with the drawings in which:

Figure.1 is a diagram of the suggested application and requirement or configuration of the system for general uses.

Figure.2 is an activity diagram, showing the basic features of the system.

## DETAILED DESCRIPTIONS OF THE PREFERRED EMBODIMENTS

Detailed descriptions of the preferred embodiment are provided herein. It is to be understood, however, that the present invention may be embodied in various forms. Therefore, specific details disclosed herein are not to be interpreted as limiting, but rather as a basis for the claims and as a representative basis for teaching one skilled in the art to employ the present invention in virtually any appropriately detailed system, structure, or manner.

Referring now to Figure.1, The system comprises a web server (30) and a database server (20) with a database (10). Said web server (30) provides HTML files (50). Map data and link data (60) as dynamic data (52) can be embedded to said HTML files (50) or downloaded from said database server (20) by web application (51). Said web server (30) sends said HTML files (50) via network (40). Said HTML files (50) with web application (51) is displayed using web browser (70).

Referring now to Figure.2, The system starts running when a user open a browser window (110). Said system then shows a virtual reality user interface and ready to receive commands (120) from said user.

Said commands comprise description commands (130), navigation commands (140), and link commands (150).

The system responses to said description commands (130) by displaying relevant comments (131).

The system responses to said navigation commands (140) comprise forward command (141), backward command (142), left command (143), and right command (144).

Said forward command (141) causes user to move forward (145).

Said backward command (142) causes user to move backward (146).

Said left command (143) causes user to turn left (147).

Said right command (144) causes user to turn right (148).

Said link commands (140) comprise new window command (151) and old window command (155).

Said new window command (151) displays a link as a new window (152).

Said old window command (155) displays a link in the current window (156).

If the user assigns a close window command (162), the system will close the browser window and end the process. Otherwise (161), the system is ready for the next command.